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PTO/SB/05 (08-00)

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UTILITY	Attorney Docket No. PF509P2							
PATENT APPLICATION	First Inventor Betenbaugh et al.							
TRANSMITTAL	Title Engineering Intracellular Sialylation Pathways							
(Only for new nonprovisional applications under 37 CFR ' 1.53(b))) Express Mail Label No.							
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents	ASSISTANT Commissioner for Patents Box Patent Application Washington, DC 20231							
1. Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing)	7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)							
2. Applicant claims small entity status. See 37 CFR 1.27.	8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF)							
3. Specification [Total pages: 106] (preferred arrangement set forth below) - Descriptive title of the Invention	b. Specification Sequence Listing on: iCD-ROM or CD-R (2 copies); or							
- Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table,	ii. 🔀 paper (12 pages) C. Statements verifying identity of above copies							
or a computer program listing appendix - Background of the Invention	ACCOMPANYING APPLICATION PARTS							
- Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description	9. Assignment Papers (cover sheet and document(s))							
- Claim(s) - Abstract of the Disclosure	10. 37 CFR 3.73(b) Statement Power of Attorney							
4. Drawing(s) (35 U.S.C. 113) [Total Sheets: 40]	11. English Translation Document (if applicable)							
5. Oath or Declaration [Total Pages 2]	12. ☐ Information Disclosure Statement/ Form PTO/SB/08 ☐ Copies of Citations							
a. Unexecuted (original or copy) b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 17 completed)								
i. <u>DELETION OF INVENT</u> OR(S)								
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR ' ' 1.63(d)(2) and 1.33	14. Return Receipt Postcard (MPEP 503) (should be specifically itemized)							
6. Application Data Sheet. See 37 CFR 1.76.	15. Certified copy of Priority Document(s) (if foreign priority is claimed)							
	16. Other:							
17. If a CONTINUING APPLICATION, check appropriate boom or in an Application Data Sheet under 37 CFR 1.76:	ox, and supply the requisite information below and in a preliminary amendment,							
Continuation Divisional Continuation-In-Part (CIP) of prior application No: / Prior application information Examiner Group/Art Unit:								
For CONTINUATION OR DIVISIONAL APPS only The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.								
18. CORRESPONDENCE ADDRESS								
Customer Number or Bar Code Label 22195 Correspondence address below								
NAME								
ADDRESS								
CITY STATE	ZIP CODE							
COUNTRY TELEPHONI								
NAME (Print/Type) Jonathan L. Klein	Registration No. (Attorney/Agent) 41,119							
SIGNATURE O man 1d Co:	Date & /// /21							





	Complete if Known						
FEE TRANSMITTAL	ļ						
for FY 2001	ŀ						
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Patent fees are subject to annual revision.	Annlias	hon Mumb	OW .	Т,			
	Filing D	tion Number	eı		Not assigned		
		med Inven	tor		Concurrently herewith		
	Examine				Betenbaugh et al. Not assigned		
	Group A	rt Unit			Not assigned		
Total amount of payment (\$) 1,356.00	Attorney	/ Docket N	lumber		PF509P2		
METHOD OF PAYMENT (CHECK ONE)			7 PDV10		FEE CALCULATION (CONTINUED)		
The Commissioner is hereby authorized to charge indicated force and another than the charge indicated.	3. Al Large En	DDITIONA	L FEES				
indicated fees and credit any overpaymant to:	g		Sitti				
Deposit Account No. 08-3425	Fee	Fee	Fee	Fee	Fee	Eas Date	
	Code	(\$)	Code	(\$)	Description	Fee Paid	
Deposit Account Name: Human Genome Sciences, Inc.	105	130	205	65	Surcharge - late provisional filing fee or cover sheet		
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	127	50	227	25	Surcharge - late provisional filing fee or cover sheet		
☐ Charge Any Additional Fee Required	139	130	139	130	Non-English specification		
Under 37 CFR §§ 1.16 and 1.17	147	2,520	147	2,520	For filing a request for ex parte reexamination		
	112	920	112	920	Requesting publication of SIR prior to Examiner action		
Applicant claims small entity status	113	1,840	113	1,840	Requesting publication of SIR after Examiner action		
* See 37 CFR 1.27	115	110	215	55	Extension for reply within first month		
	116	390	216	195	Extension for reply within second month		
2. Payment Enclosed:	117	890	217	445	Extension for reply within third month		
☐ Check ☐ Credit Card ☐ Money Order ☑ Other	118	1,390	218	695	Extension for reply within fourth month		
Charge and deficiencies or credit any overpayments in the fees or fee calculations of Parts 1, 2 and 3 below to Deposit Account No. 08-3425	128	1,890	228	945	Extension for reply within fifth month		
R ANNE	119	310	219	155	Notice of Appeal		
FEE CALCULATION	120	310	220	155	<u> </u>		
1. BASIC FILING FEE	121	270	221	135	Filing a brief in support of an appeal Request for oral hearing		
Large Entity Small Entity Fee Fee	138	1,510	138	1,510	Petition to institute a public use proceeding		
Fee Fee Fee Description Paid							
Code (\$) 101; 710 201 355 Utility filing fee 710.00	140	110	240	55	Petition to revive -unavoidable		
106; 207 333 Chinty filing fee 710.00	141	1,240	241	620	Petition to revive - unintentional		
107 490 207 245 Plant filing fee	142	1,240	242	620	Utility issue fee (or reissue)		
108 710 208 355 Ressue filing fee	143	440	243	220	Design issue fee		
114 150 214 75 Provisional filing fee	144	600	244	300	Plant issue fee		
Subtotal (1) \$ 710.00	122 123	130 50	122 123	130 50	Petitions to the Commissioner Petitions related to provisional applications		
[m]	126	240	126	240	Submission of Information Disclosure Statement		
2. EXTRA CLAIM FEES	581	40	481	40	Recording each patent assignment per property		
· · · · · · · · · · · · · · · · · · ·					(times number of properties)		
Fee from Fee Extra below Paid	146	710	246	355	Filing a submission after final rejection		
Total claims 47 -20' 27 \$486.00	149	710	249	355	(37 CFR 1 129(a)) For each additional invention to be examined (37 CFR		
	l	-			1 129(b))		
Indep.claims	179	710	279	355	Request for Continued Examination (RCE)		
Multiple \$ Dependent	169	190	169	900	Request for expedited examination of a design application		
	Other fee	(specify).			ŀ		
Large Entity Small Entity Fee	Other fee (ŀ		
Fee Fee Fee Description Code (\$) Code (\$)	1						
Code (S) Code (S)	Reduced	by Basic Fil	ma Fee Day	4	<u> </u>		
103 18 203 9 Clams in excess of 20	Roduced	of Dasie Fil	mg rec raic				
102 80 202 40 Independent claims in excess of 3					İ		
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original patent	i						
110 18 210 9 **Reissue claims in excess of 20 and					Subtotal (3)	\$	
over original patent							
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Subtotal (2) (\$) 1,356.00							
(3) 1,330.00							
Submitted By: Jonathan L. Klein	Registra	ation No.	: 41,119)	Telephone 301-309-8	504	
Signature: Amatha /alexi					Date 8//		

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Betenbaugh et al.

Application No.: Not assigned

Group Art Unit: Not assigned

Filed: Concurrently herewith

Examiner: Not assigned

Title: Engineering Intracellular Sialylation

Pathways

Docket No. PF509P2

STATEMENT UNDER 37 C.F.R. 1.821(f)

Commissioner for Patents Washington, D.C. 20231

Sir:

The undersigned attorney for applicants hereby states that the information contained in the paper copy of the sequence listing submitted herewith is identical to the information contained in the computer-readable form of the sequence listing submitted herewith.

Respectfully submitted,

Dated: August 16 200

Jonathan L. Klein

(Reg. No. 41,119)

Attorney for Applicants

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JKE/DS/ur